

CLAIMS

1. An image compression apparatus comprising:  
a color region judging section for judging the  
color region of the color image signal given and  
5 outputting the judgment information as the judgment  
result;  
a switch section which chooses one parameter out  
of a plurality of compression parameters based on the  
judging information supplied from the color region  
10 judging section; and  
a compressing section which compresses color image  
signals based on the compression parameters chosen by  
the switch section.
2. The image compression apparatus according to  
15 claim 1, further comprising:  
a color transforming section which transforms  
color image signals given as described above into a  
color signal which is a chrominance signal, and  
supplies it to the color region judging section and the  
20 compressing section.
3. The image compression apparatus according to  
claim 1, wherein the color region judging section  
judges the color region using the correlation of  
chrominance signal.
- 25 4. The image compression apparatus according to  
claim 1, wherein the compressing section includes an  
encoder to which the color image signal compressed

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corresponding to the compression parameters is supplied from the compressing section and which codes the color image signal.

5. The image compression apparatus according to  
claim 4, wherein the encoder has coding information for  
each color region judged by the color region judging  
section.

6. The image compression apparatus according to  
claim 1, further comprising:

10 an adder which adds the judgment information supplied from the color region judging section to the compressed color image signal outputted from the compressing section.

15 7. The image compression apparatus according to  
claim 1, wherein the compressing section includes a  
plurality of compressing sections which compresses the  
color image signals given as described above by  
different compression methods and a switch which  
chooses and functions one of a plurality of compressing  
20 sections corresponding to the judgment information  
supplied from the color region judging section.

25 8. The image compression apparatus according to  
claim 1, wherein the compressing section includes  
a switch which chooses one parameter from a  
plurality of coding parameters corresponding to the  
judgment information supplied from the color region  
judging section; and

an encoder which codes and outputs the compressed color image signals supplied from the compressing section.

9. An image compression apparatus comprising:

5 a color region judging section which judges the color region of the color image signal given and the judgment information as the judgment result;

10 a plurality of compressing section which compresses the color image signals give by compression methods varying one another; and

a switch which chooses and functions one of a plurality of compressing sections corresponding to the judgment information supplied from the color region judging section.

15 10. An image decompression apparatus comprising:

a color region judging section which judges the color region of the color image signal given and the judgment information as the judgment result;

20 a switch which chooses and functions one of a plurality of compressing sections corresponding to the judgment information supplied from the color region judging section; and

25 a decompressing section which decompresses the compressed color image signal and outputting the color image signal corresponding to the compression parameters chosen by the switch.

11. The image decompression apparatus according to

claim 10, wherein the color region judging section judges a color region from the color regions for each region which the compressed color image signal given includes.

5        12. The image decompression apparatus according to claim 10, further comprising:

a correcting section which corrects the color image signal outputted from the expressing section corresponding to the judgment information supplied from  
10        the color region judgment section.

13. The image decompression apparatus according to claim 10, further comprising:

a code separating section which separates the coded data added to the compressed color image signal  
15        and supplies it to the decompressing section.

14. The image decompression apparatus according to claim 10, wherein the decompressing section includes

a switch which chooses one parameter from a plurality of decoding parameters corresponding to the judgment information supplied from the color region  
20        judging section; and

a decoding section which decodes the coded data including in the compressed color image signal given corresponding to the decoding parameters chosen by the  
25        switch.

15. An image decompression apparatus comprising:

a color region judging section which judges the

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color region of the compressed color image signal given and outputs the judgment information as the judgment results;

5        a plurality of decompressing sections which depresses the compressed color image signals and outputs the color image signals; and

10      a switch which chooses and functions one decompressing section from a plurality of decompressing sections from a plurality of decompressing sections corresponding to the judgment information supplied from 15 the color region judging section.

16. An image decompression apparatus comprising:

a color region judging means for judging the color region of he color image signal given and outputting the judgment information as the judgment results;

15      a switching means for choosing one of a plurality of compression parameters corresponding to the judgment information supplied form the color region judging means; and

20      a compressing means for compressing the color image signal corresponding to compression parameters chosen by the switching means.

17. An image decompression apparatus comprising:

25      a color region judging means for judging the color region of he color image signal given and outputting the judgment information as the judgment results;

a switching means for choosing one of a plurality of compression parameters corresponding to the judgment information supplied from the color region judging means; and

- 5           a decompressing means for decompressing the compressed color image signal corresponding to compression parameters chosen by the switching means.

18. An image compression method comprising:

10           a color region judging step for judging the color region of the color image signal given and outputting the judgment information as the judgment result;

15           a selecting step for selecting one of a plurality compression parameters corresponding to the judgment information outputted in the color region judgment step; and

              a compressing step for compressing the color image signal corresponding to the compression parameter chosen in the selecting step.

19. An image decompression method comprising:

20           a color region judging step for judging the color region of the color image signal given and outputting the judgment information as the judgment result;

25           a selecting step for selecting one of a plurality of compression parameters corresponding to the judgment information outputted in the color region judgment step; and

              a decompressing step for decompressing the color

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image signal corresponding to the compression parameter chosen in the selecting step.